

Roll No.

Total No. of Pages : 2

BT-5/D05

8925

Network Programming (2005-06)

Paper—IT-355

Time : Three Hours]

[Maximum Marks : 100

Note :— Students are required to attempt **FIVE** questions selecting at least **ONE** question from each unit.

UNIT—I

1. (a) Explain the various features of Java.
(b) Explain various primitive data types and corresponding wrapper classes in Java.
(c) Discuss the Java program structure with example. 10, 5, 5
2. (a) Explain the three Object Oriented Principles.
(b) What is garbage collection ? Discuss its advantages and disadvantages.
(c) Write a java program for input string concatenation. 10, 5, 5

UNIT—II

3. Discuss the following :—
(a) Interfaces in Java
(b) Synchronized methods and statements
(c) Checked and Unchecked exceptions in Java
(d) Input Output streams in Java. 5, 5, 5, 5
4. (a) Write a multithreaded program in Java using is Alive () and Join () methods.
(b) What are packages ? How access protection is maintained with packages ? Explain. 10+10

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(Contd.)

UNIT—III

5. (a) What is applet ? Discuss the applet life cycle with suitable example.
(b) What do you mean by socket ? Discuss the various classes of java.net package. 10, 10
6. (a) What are JDBC architectural components ? Explain different JDBC drivers and their types.
(b) Compare and contrast Java application with Java Applet. Write an applet to show text on status window. 10, 10

UNIT—IV

7. (a) Discuss structure of a servlet. Write a servlet for handling HTML form implementing doGet () and doPost () methods.
(b) Write an applet using Frame and other AWT components. 10, 10
8. Discuss the following :—
(a) Server Side Includes
(b) Single Thread Model
(c) HTTP headers and status codes
(d) Event Handling in Java. 5, 5, 5, 5